

IAP15 Rec'd PCT/PTO 19 APR 2006

April 19, 2006

INFORMATION DISCLOSURE  
STATEMENT  
Patent Application  
Docket No. ARS-127

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Philippe Chatellard, Markus Imhof  
Filed : April 20, 2006  
For : Minimal DNA Sequence Acting as a Chromatin Insulator and its Use in  
Protein Expression

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §§1.97 AND 1.98

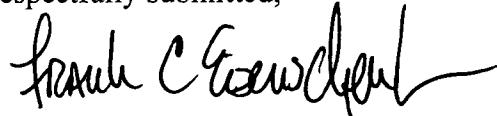
Sir:

In accordance with 37 CFR §1.56, the references listed on the attached form PTO/SB/08 are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. A copy of each cited reference is enclosed.

It is respectfully requested that the references cited on the attached form PTO/SB/08 be considered in the examination of the subject application and that their consideration be made of record.

Applicants respectfully assert that the substantive provisions of 37 CFR §§1.97 and 1.98 are met by the foregoing statement.

Respectfully submitted,



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FCE/fes

Attachments: Form PTO/SB/08; copies of cited references.

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PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				Application Number	
				Filing Date	April 19, 2006
				First Named Inventor	Philippe Chatellard
				Art Unit	
				Examiner Name	
Sheet	1	of	2	Attorney Docket Number	ARS-127

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	U1	US-			
	U2	US-			
	U3	US-			
	U4	US-			
	U5	US-			
	U6	US-			
	U7	US-			
	U8	US-			
	U9	US-			

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)			
	F1	WO 01/02553 A3	01-11-2001	Government of the United States of America	All
	F2				
	F3				
	F4				
	F5				
	F6				
	F7				

Examiner Signature		Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard T.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/08B (08-03)

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<p>Substitute for form 1449B/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p>(use as many sheets as necessary)</p>				<b>Complete if Known</b>	
Sheet	2	of	2	Application Number	
				Filing Date	April 19, 2006
				First Named Inventor	Philippe Chatellard
				Group Art Unit	
				Examiner Name	
				Attorney Docket Number	ARS-127

<b>NON PATENT LITERATURE DOCUMENTS</b>			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	R1	RECILLAS-TARGA, F. et al. "Position-effect protection and enhancer blocking by the chicken $\beta$ -globin insulator are separable activities" <i>Proc. Natl. Acad. Sci. USA</i> , May 14, 2002, pp. 6883-6888, Vol. 99, No. 10.	
	R2	BELL, A. C. et al. "The protein CTCF is required for the enhancer blocking activity of vertebrae insulators" <i>Cell</i> , August 6, 1999, pp. 387-396, Vol. 98, No. 3.	
	R3	CHUNG, J. H. et al. "Characterization of the chicken $\beta$ -globin insulator" <i>Proc. Natl. Acad. Sci. USA</i> , January 21, 1997, pp. 575-580, Vol. 94, No. 2.	
	R4		
	R5		
	R6		
	R7		
	R8		
	R9		
	R10		
	R11		
	R12		
	R13		

Examiner Signature	/Robert Kelly/ (06/16/2008)	Date Considered	/Robert Kelly/ (06/16/2008)
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**ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /RMK/**